EUROPEAN PATENT OFFICE

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APPLICANT : OLYMPUS OPTICAL CO LTD;

INVENTOR : NAGANO TAKASHI;

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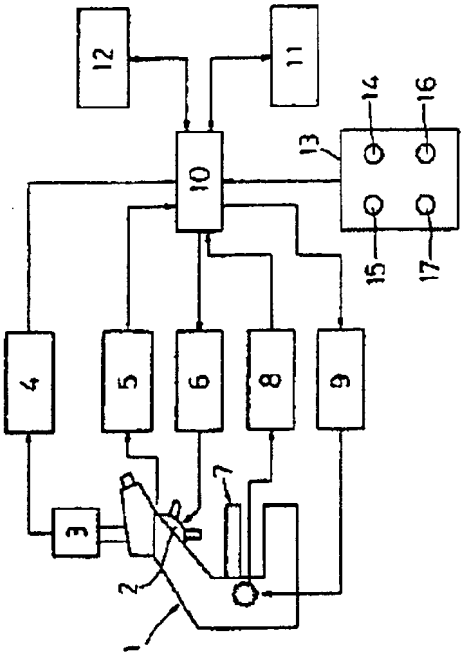
TITLE : MICROSCOPE



ABSTRACT : PURPOSE: To properly correct a focusing position at the time of objective switching by making the correction with focusing data by objective lenses which are stored in a storage circuit and automatically moving a stage.

CONSTITUTION: At the time of initialization, a control circuit 10 detects the focusing of an objective and stores the obtained stage position in the memory in the circuit 10 temporarily. Then the circuit 10 sends a signal to a revolver driving circuit 6 to rotate a revolver 2 and switch the objective lens and performs focusing detection similarly. The difference between the current stage position and the stage position before the switching which is stored temporarily before is stored in a data table in a storage circuit 12. Thus, $(N^2-N)/2$ pieces of data are stored in the data table, where N is the number of objective lenses mounted on the revolver 2. Then when the objective lenses are switched for an observation, the circuit 10 supplies a signal to a stage driving circuit 9 according to the data in the data table and drives the stage 7 to obtain a focusing state matching a new objective lens.

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(54) MICROSCOPE

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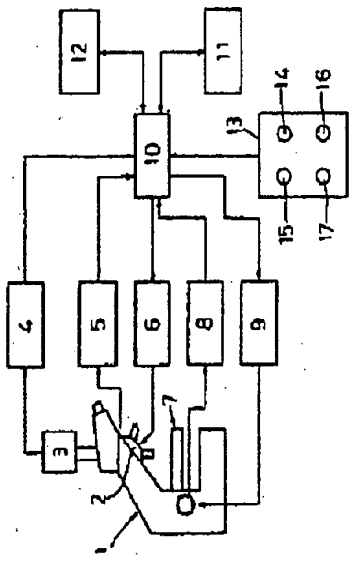
(57) Abstract:

PURPOSE: To properly correct a focusing position at the time of objective switching by making the correction with focusing data by objective lenses which are stored in a storage circuit and automatically moving a stage.

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